

SECURITY CLASSIFICATION OF THIS REPORT

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			PROGRAM ELEMENT NO.	PROJECT NO.	TASK NO.
11. TITLE (Include Security Classification) Performance Oriented Packaging Testing of M257 Flare Warhead with MK66 Motor					
12. PERSONAL AUTHOR(S) Anthony D'Angelo					
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17. COSATI CODES			18. SUBJECT TERMS (Continue on reverse if necessary and identify by block number) Performance Oriented Packaging, POP, M257 Warhead Wood Box		
FIELD	GROUP	SUB-GROUP			
19. ABSTRACT (Continue on reverse if necessary and identify by block number) This report contains the testing and test results performed on the M257 flare warhead (packed 3 warheads and 3 motors).					
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> DTIC FILED NOV 23 1990 D </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> DISTRIBUTION STATEMENT A Approved for public release Distribution Unlimited </div> </div>					
20. DISTRIBUTION / AVAILABILITY OF ABSTRACT <input type="checkbox"/> UNCLASSIFIED/UNLIMITED <input checked="" type="checkbox"/> SAME AS RPT <input type="checkbox"/> DTIC USERS			21. ABSTRACT SECURITY CLASSIFICATION Unclassified		
22a. NAME OF RESPONSIBLE INDIVIDUAL Anthony D'Angelo			22b. TELEPHONE (Include Area Code) 201-724-4976		22c. OFFICE SYMBOL SMCAR-AEP

1. DATA:

Container:

Type: Container, Wood
UN Code: 4C1
Nomenclature: Box, Ammunition Packing: Wood, Nailed
Specification Number: MIL-B-2427
Drawing Number: 9357963
Material: Wood
Capacity: 37.1 kg (81 lbs)
Dimensions: 122.1 cm x 31.1 cm x 20.6 cm (48 1/16 in. x 12 1/4 in. x 9 3/8 in.)
Gross Weight: 61.4 kg (135 lbs)

Product:

Name: Rocket Flare M257 with MK66 Motor
Drawing Number: 12624792
United Nations Number: 0254
United Nations Packing Group: II
Physical State: Solid
Amount per Container: 3 Rockets & 3 Motors

2. BACKGROUND:

This report contains the testing and test results performed on the M257 Flare Warhead with MK66 motors. The wood box (PN 9357963) will pack 3 warheads and 3 motors in accordance with drawing no. 12624792. Test were performed in accordance with Performance Oriented Packaging test regulations.

3. TEST:

Boxes were dropped once each from 1.2 meters (4 feet). The boxes were dropped on a 3 inch solid steel plate reinforced by 18 inches of crushed rock in 5 different orientations. The orientations were as follows:

Bottom	Statement "A" per telecon Anthony
Top	D'Anegelo. U.S.Army Armament Research,
Side, long	Development and Engineering Center/SMCAR-
Side, short	AEP. Bldg. 455. Picatinny Arsenal, NJ
Bottom corners	07806-5000. VHJ 11/21/90

All drops were conducted at ambient temperature.

4. RESULTS:

The containers passed all tests since none of the contents were discharged. They are considered safe for international transportation in accordance with Performance Oriented Packaging regulations.

5. REFERENCED MATERIAL:

A. United Nations, "Transport of Dangerous Goods," 6th Edition.

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